

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD2095</b>	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
<b>Reclamation District No. 2095 Paradise Cut</b>	<b>M *</b>	<b>4.83</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01	0.01	0.05	1.04%				
Encroachments					0.50			
Slope Stability	0.04		0.04	0.83%				
<i>Supplemental</i>								
DWR Erosion Survey	0.11		0.11	2.28%				
<i>LMA Totals:</i>	0.16	0.01	0.20	4.14% *	0.50	0.00	0.00	0.00
<b>Unit No. 01 Paradise Cut LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2095</b>	<b>A</b>	<b>1.45</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
Slope Stability	0.02		0.02	1.38%				
<i>Supplemental</i>								
DWR Erosion Survey	0.03		0.03	2.07%				
<i>Unit Totals:</i>	0.05	0.00	0.05	3.45%	0.01	0.00	0.00	0.00
<b>Unit No. 02 San Joaquin River LB</b>	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
<b>RD2095</b>	<b>M *</b>	<b>3.38</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01	0.01	0.05	1.48%				
Encroachments					0.49			
Slope Stability	0.02		0.02	0.59%				
<i>Supplemental</i>								
DWR Erosion Survey	0.08		0.08	2.37%				
<i>Unit Totals:</i>	0.11	0.01	0.15	4.44% *	0.49	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2013 Levee Inspection Results**

**Reclamation District No. 2095 Paradise Cut**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Reclamation District No. 2095 Paradise Cut**

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/09/2013 - 04/09/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By			Rosie Silva RD2095	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut				Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS A Ma		°	°	14
DWR ID: DWR_RD2095_01_s_2013_14									
2			Earthen Levee	Flood Preparedness & Training	WS A Ma		°	°	17
DWR ID: DWR_RD2095_01_s_2013_17									
3			Earthen Levee	Emergency Supplies & Equipment	WS A Ma		°	°	19
DWR ID: DWR_RD2095_01_s_2013_19									
4	0.07	0.07	Earthen Levee	Encroachments	WSA/W En PI : Pipe		37.770572 ° -121.326283 °	37.770572 ° -121.326283 °	3 Y
DWR ID: DWR_RD2095_01_s_2013_3									
5	0.15	0.15	Earthen Levee	Slope Stability	WS M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.769977 ° -121.325012 °	37.769977 ° -121.325012 °	32 Y
DWR ID: DWR_RD2095_01_s_2012_32									
6	0.19	0.19	Earthen Levee	Vegetation	WS C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove pile of tumbleweeds from levee toe.	37.769643 ° -121.324363 °	37.769643 ° -121.324363 °	7
DWR ID: DWR_RD2095_01_f_2012_7									
7	0.31	0.31	Earthen Levee	Slope Stability	WS C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.768344 ° -121.323114 °	37.768344 ° -121.323114 °	12
DWR ID: DWR_RD2095_01_s_2013_12									
8	0.35	0.35	Earthen Levee	Encroachments	CRA/W En PI : Pipe	Inspector Comments: No closure devices or flap gate on discharge pipe. Pipe penetrates freeboard of levee.	37.767822 ° -121.322835 °	37.767822 ° -121.322835 °	5 Y
DWR ID: DWR_RD2095_01_s_2012_5									
9	0.42	0.42	Earthen Levee	Slope Stability	WS M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.766917 ° -121.322267 °	37.766917 ° -121.322267 °	13 Y
DWR ID: DWR_RD2095_01_s_2013_13									
10	0.70	0.70	Earthen Levee	Encroachments	WSA/W En PI : Pipe	Inspector Comments: Irrigation intake penetrates levee freeboard. No positive closure device present.	37.763780 ° -121.319147 °	37.763780 ° -121.319147 °	10 Y
DWR ID: DWR_RD2095_01_s_2012_10									
11	0.70	0.70	Earthen Levee	Encroachments	LS M En	BU : Building Inspector Comments: Pump house near RR.	37.763630 ° -121.319045 °	37.763630 ° -121.319045 °	11 Y
DWR ID: DWR_RD2095_01_s_2012_11									

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 2095 Paradise Cut

DWR ID: DWR\_RD2095\_01\_f\_2013\_4Page 2 of 8

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut				Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.87	0.87	Earthen Levee	Encroachments	LS A/W En	PI : Pipe	Inspector Comments: Large pump platform for drainage into San Joaquin River. Three pumps. No positive closure devices. Pipe penetrates levee freeboard. No flap gate at outlet.	37.761472 ° -121.317840 °	37.761472 ° -121.317840 °	15 Y
DWR ID: DWR_RD2095_01_s_2012_15										
16	0.88	0.88	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	Inspector Comments: Gravity drain through base of levee. Positive closure on waterside hinge point. Flap gate obstructed by debris has been cleared.	37.761337 ° -121.318047 °	37.761337 ° -121.318047 °	16 Y
DWR ID: DWR_RD2095_01_s_2012_16										
17	0.92	0.92	Earthen Levee	Encroachments	LS A/W En	PI : Pipe	Inspector Comments: Pipe on south is connected with siphon breaker at hinge point.	37.760792 ° -121.317705 °	37.760792 ° -121.317705 °	18 Y
DWR ID: DWR_RD2095_01_s_2012_18										
18	1.17	1.17	Earthen Levee	Slope Stability	LS C Ma	S1 : Repair slope instability.		37.759657 ° -121.313380 °	37.759657 ° -121.313380 °	33
DWR ID: DWR_RD2095_01_s_2012_33										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.07
End Levee Mile	0.07
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the pipe at waterside levee hinge.

mkhashch\_f\_20130923\_494.JPG



Levee Mile Report Line	5
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of vehicle ruts eroding waterside slope.

mkhashch\_f\_20131009\_654.JPG



Levee Mile Report Line	8
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the pipe penetrating waterside levee slope.

mkhashch\_f\_20130923\_495.JPG



**\* Location**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of pipe day lighting at landside levee slope.

mkhashch\_f\_20131009\_655.JPG



Levee Mile Report Line	9
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle ruts on waterside levee slope.

mkhashch\_f\_20130923\_497.JPG



Levee Mile Report Line	10
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of pipe and pump motor on the waterside.

mkhashch\_f\_20131009\_656.JPG



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CR : Crown

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of building at the landside levee toe.

mkhashch\_f\_20131009\_657.JPG



Levee Mile Report Line	12
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion at the upstream of RR bridge.

SJR2013\_RD2095U01RM6.74\_1.jpg



Levee Mile Report Line	12
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Close view of the erosion downstream RR bridge.

SJR2013\_RD2095U01RM6.74\_3.jpg



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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site.

SJR2013\_RD2095U01RM6.88\_1.jpg



Levee Mile Report Line	14
Start Levee Mile	0.87
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the new gate at landside levee hinge.

mkhashch\_f\_20131009\_658.JPG



Levee Mile Report Line	15
Start Levee Mile	0.87
End Levee Mile	0.87
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the pumps on landside.

mkhashch\_f\_20130923\_498.JPG



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	16
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Gravity drainage outlet flapgate blocked by debris.

mkhashch\_f\_20130923\_499.jpg



Levee Mile Report Line	16
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Gravity drain inlet.

mkhashch\_f\_20130923\_500.jpg



Levee Mile Report Line	17
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments

11/01/2011 Siphon breaker at hinge point on waterside.

mkhashch\_f\_20130923\_501.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Reclamation District No. 2095 Paradise Cut**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/09/2013 - 04/09/2013		10/08/2013 - 10/08/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Bob Pombo RD2095		Rosie Silva RD2095	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River				Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.03	0.03	Earthen Levee	Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.758986 ° -121.307854 °	37.758986 ° -121.307854 °	9 Y
DWR ID: DWR_RD2095_02_s_2013_9										
2	0.18	0.18	Earthen Levee	Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.757322 ° -121.306291 °	37.757322 ° -121.306291 °	10 Y
DWR ID: DWR_RD2095_02_s_2013_10										
3	0.36	0.85	Earthen Levee	Encroachments	LS	M	DT : Ditch	37.754952 ° -121.305880 °	37.749645 ° -121.301977 °	5 Y
DWR ID: DWR_RD2095_02_f_2012_5										
4	0.44	0.77	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	C2 : Repair depressions or ruts in the crown or slope.	37.753980 ° -121.305600 °	37.749613 ° -121.302967 °	7
DWR ID: DWR_RD2095_02_f_2012_7										
5	0.62	0.62	Earthen Levee	Vegetation	LS A/W	Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.751668 ° -121.304302 °	37.751668 ° -121.304302 °	6 Y
DWR ID: DWR_RD2095_02_s_2012_6										
6	0.75	0.75	Earthen Levee	Encroachments	CR A/W	En	FE : Fence Inspector Comments: Unpermitted gate across levee crown. District has submitted an application for a permit from CVFPB. A key was provided to DWR inspector.	37.749916 ° -121.303312 °	37.749916 ° -121.303312 °	14 Y
DWR ID: DWR_RD2095_02_f_2013_14										
7	0.76	0.76	Earthen Levee	Encroachments	WSA/W	En	PI : Pipe Inspector Comments: Two pipes penetrate levee freeboard. Siphon breakers present.	37.749710 ° -121.303263 °	37.749710 ° -121.303263 °	11
DWR ID: DWR_RD2095_02_s_2012_11										
8	0.77	0.77	Earthen Levee	Encroachments	WSA/W	En	PI : Pipe Inspector Comments: Intake pump and pipe.	37.749781 ° -121.302991 °	37.749781 ° -121.302991 °	13
DWR ID: DWR_RD2095_02_s_2012_13										
9	0.98	0.98	Earthen Levee	Vegetation	WSA/W	Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.749737 ° -121.300002 °	37.749737 ° -121.300002 °	940
DWR ID: DWR_RD2095_02_s_2012_940										
10	1.01	1.01	Earthen Levee	Vegetation	WS	U	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Dense bush within 20' of crown on waterside slope.	37.749650 ° -121.299362 °	37.749650 ° -121.299362 °	941 Y
DWR ID: DWR_RD2095_02_s_2012_941										
11	1.09	1.09	Earthen Levee	Trim / Thin Trees	LS	N	T5 : Tree stumps. Inspector Comments: 4 stumps	37.748254 ° -121.298993 °	37.748254 ° -121.298993 °	3
DWR ID: DWR_RD2095_02_s_2012_3										
12	1.31	1.31	Earthen Levee	Trim / Thin Trees	LS	N	T5 : Tree stumps. Inspector Comments: Two tree stumps.	37.745343 ° -121.297620 °	37.745343 ° -121.297620 °	8
DWR ID: DWR_RD2095_02_f_2012_8										
13	1.54	1.54	Earthen Levee	Vegetation	WSA/W	Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.742828 ° -121.297532 °	37.742828 ° -121.297532 °	12
DWR ID: DWR_RD2095_02_s_2012_12										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

14	1.65	1.65	Earthen Levee	Encroachments	CR A/W	PI : Pipe	Inspector Comments: Discharge pipe into San Joaquin River. Anti-siphon valve present. Pipe penetrates levee freeboard. Fill and compact erosion site.	37.741340 ° -121.296158 °	37.741340 ° -121.296158 °	15 Y
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DWR ID: DWR\_RD2095\_02\_s\_2012\_15

15	1.77	1.80	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/28/2013: No significant change observed. 09/13/2012: The site has been visited by land survey. The vegetation on the site shows the erosion has not developed significantly from the last survey. The site was not visited by boat survey due to the limitation of navigable waterway. 08/23/2011: No significant changes observed. 9/22/2010: No significant changes observed. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe. 9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report 2006: Visited 10/20/06 [2013 Site ID:RD2095U02RM60.62]	37.740196 ° -121.297662 °	37.740196 ° -121.297662 °	1 Y
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DWR ID:

16	1.85	1.89	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/28/2013: No significant change observed. Dense vegetation blocks the visual inspection at the site. 09/13/2012: The site has been visited by land survey. The erosion is not visible from the levee slope because of dense vegetation at the site. Levee slope is protected by placed rocks. The site was not visited by boat survey due to the limitation of navigable waterway. 08/23/2011: Dense vegetation makes it difficult to view the possible erosion. No new development was observed on site. 09/23/2010: At the time of the inspection, the erosion site was difficult to view from the levee. Erosion is located on the bank toe, below the existing rip rap. There were no signs of repair on site, nor has the site been reported to be repaired by the district. Images taken from last year indicate that existing rip rap at the bank toe has sloughed exposing the underlying soils. Weakening of the toe could lead to future bank instability. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 09/29/2009: No major change observed since last visit; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap revetment; roughly 15-foot berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated. 10/20/2006: Just upstream of where berm starts to widen. [2013 Site ID:RD2095U02RM60.69]	37.738880 ° -121.298260 °	37.738880 ° -121.298260 °	2 Y
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DWR ID:

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River				Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	2.10	2.10	Earthen Levee	Encroachments	WSA/W En	PI : Pipe		37.735483 ° -121.297912 °	37.735483 ° -121.297912 °	19
								DWR ID: DWR_RD2095_02_s_2012_19		
18	2.14	2.14	Earthen Levee	Vegetation	WS Ma	M V4 : Elderberries are blocking visibility and flood fight capability.		37.734858 ° -121.297758 °	37.734858 ° -121.297758 °	20 Y
								DWR ID: DWR_RD2095_02_s_2012_20		
19	2.39	2.39	Earthen Levee	Encroachments	CRA/W En	PI : Pipe		37.731555 ° -121.298283 °	37.731555 ° -121.298283 °	23
								DWR ID: DWR_RD2095_02_s_2012_23		
20	2.70	2.70	Earthen Levee	Encroachments	CRA/W En	PI : Pipe	Inspector Comments: Pipe connections have been made. Permit application needed for this emergency repair.	37.727233 ° -121.299732 °	37.727233 ° -121.299732 °	26
								DWR ID: DWR_RD2095_02_f_2013_26		
21	2.73	2.73	Earthen Levee	Encroachments	CRA/W En	PI : Pipe	Inspector Comments: Discharge pipe with closure structure on waterside hinge point.	37.726733 ° -121.299367 °	37.726733 ° -121.299367 °	25
								DWR ID: DWR_RD2095_02_s_2012_25		

**\* Location**

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**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle tire ruts on waterside levee slope.

mkhashch\_f\_20131009\_661.JPG



Levee Mile Report Line	2
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the vehicle tire ruts on waterside levee slope.

mkhashch\_f\_20130923\_512.JPG



Levee Mile Report Line	3
Start Levee Mile	0.36
End Levee Mile	0.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of ditch along landside toe.

mkhashch\_f\_20130923\_509.JPG



**\* Location**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.62
End Levee Mile	0.62
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/01/2011 Elderberry bush at landside toe.

mkhashch\_f\_20130923\_510.jpg



Levee Mile Report Line	6
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of new gate across levee crown.

mkhashch\_f\_20131009\_660.JPG



Levee Mile Report Line	10
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Elderberry blocks visibility of levee slope.

mkhashch\_f\_20130923\_515.jpg



**\* Location**

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CR : Crown

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of corrected slope erosion. Siphon breaker valve is covered by bucket with drain pipe diverting water away from slope.

mkhashch\_f\_20130923\_513.JPG



Levee Mile Report Line	15
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking at the erosion.

SJR2013\_RD2095U02RM60.62\_2.jpg



Levee Mile Report Line	16
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion.

SJR2013\_RD2095U02RM60.69\_3.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 2095 Paradise Cut**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	10/08/2013 10/08/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	2.14
End Levee Mile	2.14
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation on waterside slope obstructs access and visibility.

mkhashch\_f\_20130923\_514.jpg



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